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PMC PubMed Nucleotide Protein Genome Structure **OMIMO** All Databases **Journals** Search PubMed for CXCR4 expression tumor Preview Clear Go About Entrez **Text Version** Limits Preview/Index History Clipboard **Details** Entrez PubMed • Search History will be lost after eight hours of inactivity. Overview • Search numbers may not be continuous; all searches are represented. Help | FAQ • To save search indefinitely, click query # and select Save in My NCBI. **Tutorials** • To combine searches use #search, e.g., #2 AND #3 or click query # for New/Noteworthy 53 more options. E-Utilities **Most Recent Queries** Time Result Search **PubMed Services #17** Search **CXCR4** expression tumor 16:36:08 613 Journals Database #15 Related Articles for PubMed (Select 9616148) 16:34:54 226 MeSH Database 16:23:26 124 #12 Search fusin and leukemia Single Citation Matcher **Batch Citation Matcher** 16:22:47 507 #10 Search fusin and cancer **Clinical Queries** 16:20:28 #9 Search HM89 and malignant 0 **Special Queries** 16:20:13 #8 Search HM89 and tumor 1 LinkOut My NCBI 16:19:04 #7 Search HM89 and cancer 1 40 16:17:17 #6 Search lester and leukocyte Related Resources 16:12:30 12 #1 Search LESTR and leukocyte Order Documents **NLM Mobile NLM Catalog** Clear History **NLM Gateway TOXNET** Consumer Health **Clinical Alerts** ClinicalTrials.gov PubMed Central

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DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI; PLUR=YES; OP=OR					
	L19	L18 AND @ay<=1998	51		
	L18	L14 AND antibody	1392		
	L14	((malignant NEAR hematopoietic) OR leukemic OR leukemia) AND (CXCR4 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR CXCR-4)	1500		
	L13	L12 AND (antibody NEAR (CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR))	5		
П	L12	L11 AND @ay<=1998	162		
	L11	(CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR) AND (tumor OR neoplastic OR neoplasia OR malignant OR cancer) AND antibody	2432		
	L10	L9 AND @ay<=1998	2		
	L9	HM89 AND (cancer OR neoplastic OR neoplasia OR malignant OR tumor)	19		
	L8	HM89 AND (cancer OR neoplastic OR neoplasia OR malignant)	19		
	L7	L2 AND (antibody NEAR (CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR))	5		
	L6	L2 AND stromal	25		
	L5	L2 AND fusin	61		
	L4	L2 AND LESTR	25		
	L3	L2 AND CXCR4	47		
	L2	L1 AND @ay<=1998	135		
<u> </u>	L1	(CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR) AND cancer AND antibody	2204		

END OF SEARCH HISTORY

Name Symbol CXCR4 chemokine (C-X-C motif) receptor 4

Synonyms

CD184, CD184 antigen, C-X-C chemokine

Homo sapiens

Organism

receptor type 4, CXČR-4, CXC-R4, D2S201E, FB22, fusin, Fusin, HM89, HSY3RR, LAP3, LCR1, LESTR,

Leukocyte-derived seven transmembrane domain receptor, NPY3R, NPYR, NPYRL, NPYY3R, SDF-1 receptor, Stromal cellderived factor 1 receptor, WHIM

P61073, Q53S69, Q5MIL4

193670, 162643 NCBI Gene MIMO

P61073

UniProt

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7852 NP_003458, NP_001008540 NM_003467, NM_001008540 **NCBI RefSeq** NCBI RefSeq

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NCBI Accession CR601301, AF025375

Homologues of CXCR4 ...

Interaction information for CXCR4 📴 ...

Most recent information for CXCR4 🔊 ... new

Enhanced PubMed/Google query ...

CXCR4 🎡, another important HIV-1 coreceptor, is also sulfated. [1999]

Thus, the development of CXCR4 & antagonists or agonists may be useful in the treatment of HIV-1 infection. [1997]

This approach was utilized to inhibit human immunodeficiency virus type I (HIV-1) infection in human cells. siRNAs with homology to a motif in the mRNA that encodes for the HIV-1 chemokine coreceptor CXCR4 was utilized. [2004]

CXCR4 🖙 is the major co-receptor used by X4 strains of human immunodeficiency virus type I (HIV-1). [2001]

In contrast, HIV-1 variants that use CXCR4 🔅 are typically detected at the later stages, and are associated with a rapid decline in CD4+ T cells and progression to AIDS (refs. 2,7-11). [2001]

A small molecule CXCR4 🐡 inhibitor that blocks T cell line-tropic HIV-1 infection. [1997]

AMD3100, a small molecule inhibitor of HIV-1 entry via the CXCR4 🕸 co-receptor. [1998]

Thus, AMD3100 prevents CXCR4 🖈 functioning as both a HIV-1 co-receptor and a CXC-chemokine receptor. [1998]

Several non-Hodgkin cell lines, targets of CXCR4 🕸-dependent (X4) HIV-1 infection, were positive for CD30 expression. [2003]

The resulting [MLV(SIVagm-X4)] vectors were shown to specifically transduce CD4/CXCR4 🌣-positive cell lines, demonstrating the equivalent function in cell entry and choice of coreceptor usage of the V3-loops of SIVagm and HIV-1. [2002]

Laboratory isolates of human immunodeficiency virus type 1 (HIV-1) that utilize CXCR4 as a coreceptor infect primary human macrophages

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E-Utilities	P			
	Search	Most Recent Queries	Time	Result
PubMed Services	#43 Search	SDF-1 and angiogenesis	19:31:25	<u>134</u>
Journals Database MeSH Database	#42 Search	SDF-1 and vascularization	19:30:48	<u>69</u>
Single Citation Matcher	#41 Search	CXCR4 and vascularization	19:30:22	<u>68</u>
Batch Citation Matcher	#40 Search	fusin and vascularization	19:23:48	<u>50</u>
Clinical Queries Special Queries	#39 Search	LESTR and angiogenesis	19:22:10	<u>1</u>
LinkOut	#38 Search	CXCR4 and angiogenesis	19:21:50	<u>137</u>
My NCBI	#36 Search	fusin and angiogenesis	19:19:10	<u>92</u>
	#35 Search	fusin and chemokine	19:18:25	<u>1821</u>
Related Resources	#34 Search	HUMSTSR	19:17:46	1
Order Documents NLM Mobile	#33 Search	HUMSTSR/fusin	19:17:32	1
NLM Catalog	#30 Search	nagasawa and fusin	19:13:58	<u>21</u>
NLM Gateway TOXNET	#29 Search	Nagawasa and fusin	19:13:43	<u> 2621</u>
Consumer Health	#27 Search	CXCR4 splice variant	19:06:32	4
Clinical Alerts	#26 Search	CXCR4 variants	19:04:18	<u> 188</u>
ClinicalTrials.gov PubMed Central	#25 Search	WHIM and cancer and	18:53:20	<u>21</u>
r abiaica ociitiai	#24 Search	WHIMand cancer and	18:53:00	2001998
	#23 Search	SDF-1 receptor and cancer and chemokine	18:52:26	<u>434</u>
	#22 Search	NPYY3R and cancer and chemokine	18:51:51	4160
	#21 Search	NPYY3Rand cancer and chemokine	18:51:44	<u>4160</u>
	#20 Search	NPYRL and cancer and chemokine	18:51:27	<u>4160</u>
	#18 Search	fusin and cancer and chemokine	18:50:15	<u>429</u>
	#17 Search	NPYR and cancer and chemokine	18:50:03	<u>0</u>
	#16 Search	NPYR and cancer	18:49:50	<u>39</u>
	#15 Search	NPY3R and cancer	18:49:36	2001998
		Leukocyte-derived seven transmembrane	18:49:00	<u>502</u>
		n receptor and cancer	10.45.00	_
	#12 Search	LESTR and cancer	18:46:09	<u>3</u>

#11 Search LCR1 and cancer	18:45:52	<u>1</u>
#9 Search cancer LAP3	18:45:03	<u>2</u>
#8 Search cancer HSY3RR	18:44:50 <u>20</u>	001998
#7 Search cancer HM89	18:44:03	<u>1</u>
#6 Search cancer fusin	18:43:47	<u>504</u>
#5 Search cancer FB22	18:43:26	<u>0</u>
#4 Search cancer D2S201E	18:43:15	<u>0</u>
#3 Search cancer CD184	18:42:48	<u>10</u>
#2 Search cancer CXCR4 protein expression	18:31:43	446
#1 Search cancer CXCR4	18:30:52	<u>673</u>

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